We Claim:

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- 1. A prosthesis for a blood vessel or hollow body organ comprising a trunk including a prosthetic material defining having an interior including a seam joining opposing surfaces of the prosthetic material together to form an internal septum sized and configured to define, within at least a portion of the trunk interior, a multi-lumen flow channel configuration.
- A prosthesis according to claim 1 wherein
 the multi-lumen flow channel configuration comprises two interior lumens.
 - 3. A prosthesis according to claim 1 wherein the multi-lumen flow channel configuration is symmetric with respect to a mid-line axis of the trunk.
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 4. A prosthesis according to claim 1 wherein the multi-lumen flow channel configuration includes a first interior lumen and a second interior lumen, at least one of the interior lumens being sized and configured to receive a lumen extension component to define an extended lumen.
 - 5. A prosthesis according to claim 4 wherein the extended lumen includes a portion that is joined by the septum to the other interior lumen and another portion that is not joined by the septum to the other interior lumen.
 - 6. A prosthesis according to claim 1 wherein the multi-lumen flow channel configuration includes a first interior lumen and a truncated second interior lumen that is shorter than the first interior lumen.
- 7. A prosthesis according to claim 6 wherein the truncated second interior lumen is sized and configured to receive a lumen extension component to define an extended lumen.
- 8. A prosthesis according to claim 7 wherein the extended lumen includes a portion that is joined by

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the septum to the first interior lumen and another portion that is not joined by the septum to the first interior lumen.

- 9. A prosthesis according to claim 1 wherein a region of the trunk is sized and configured to receive a fastening element to secure the trunk to body tissue.
 - 10. A prosthesis according to claim 1 wherein the prosthetic material includes a fabric.
- 11. A prosthesis according to claim 1
 10 wherein the trunk includes support
 scaffolding.
 - 12. A prosthesis according to claim 1 wherein the trunk includes at least one stent structure.
- 13. A prosthesis according to claim 12

 wherein the stent structure includes a selfexpanding stent ring.
- 14. A prosthesis according to claim 1
 wherein the trunk includes spaced apart stent
 20 structures.
 - 15. A prosthesis according to claim 14
 wherein the spaced apart sent structures
 include first and second adjacent stent structures that
 are not mutually attached one to the other.
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 16. A prosthesis according to claim 14

 wherein the spaced apart sent structures
 include first and second adjacent stent structures that
 are mutually attached one to the other.
- 17. A prosthesis according to claim 1
 30 wherein the trunk extends along an axis,
 wherein the septum comprises a seam formed
 along the axis of the trunk.
 - 18. A prosthesis according to claim 1 wherein the seam is formed by weaving.
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 19. A prosthesis assembly for a blood vessel

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or hollow body organ comprising,

- a trunk including a prosthetic material defining having an interior including a seam joining opposing surfaces of the prosthetic material together to form an internal septum sized and configured to define, within at least a portion of the trunk interior, a multilumen flow channel configuration comprising at least a first interior lumen and a second interior lumen, and
- a lumen extension component sized and 10 configured to be fitted within at least one of the interior lumens to define an extended lumen.
 - wherein the extended lumen includes a portion that is joined by the septum to the other interior lumen and another portion that is not joined by the septum to the other interior lumen.
 - 21. An assembly according to claim 19
 wherein the multi-lumen flow channel
 configuration includes a first interior lumen and a
 truncated second interior lumen that is shorter than the
 first interior lumen.
 - 22. An assembly according to claim 21 wherein the lumen extension is sized and configured to be fitted within the truncated second lumen to define the extended lumen.
 - 23. An assembly according to claim 22 wherein the extended lumen includes a portion that is joined by the septum to the first interior lumen and another portion that is not joined by the septum to the first interior lumen.
 - 24. An assembly according to claim 19 wherein a region of the trunk is sized and configured to receive a fastening element to secure the trunk to body tissue.
- 35 25. An assembly according to claim 19

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wherein the prosthetic material includes a fabric.

- 26. An assembly according to claim 19 wherein the lumen extension includes a prosthetic material.
- 27. An assembly according to claim 19 wherein the trunk and the lumen extension each includes a prosthetic material.
- 28. An assembly according to claim 19

 wherein at least one of the trunk and the lumen extension includes scaffolding.
 - 29. An assembly according to claim 28 wherein the scaffolding includes at least one stent structure.
- 30. An assembly according to claim 28 wherein the scaffolding includes a self-expanding stent ring.
- 31. An assembly according to claim 28 wherein the scaffolding includes spaced apart 20 stent structures.
 - 32. An assembly according to claim 31 wherein the spaced apart sent structures include first and second adjacent stent structures that are not mutually attached one to the other.
- 33. An assembly according to claim 31 wherein the spaced apart sent structures include first and second adjacent stent structures that are mutually attached one to the other.
- 34. An assembly according to claim 19
 wherein the trunk extends along an axis,
 wherein the septum comprises a seam formed
 along the axis of the trunk.
 - 35. An assembly according to claim 19 wherein the seam is formed by weaving.
- 36. A method for deploying a prosthesis

comprising the steps of

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introducing a prosthesis as defined in claim 1 into a targeted site comprising a blood vessel or hollow body organ, and

- locating the prosthesis in contact with body tissue at the targeted site.
 - 37. A method according to claim 36 further including the step of fastening the prosthesis to body tissue at the targeted site.
- 10 38. A method for deploying a prosthesis comprising the steps of

introducing a prosthesis assembly as defined in claim 19 into a targeted site comprising a blood vessel or hollow body organ,

- locating the trunk of the prosthesis assembly in contact with body tissue at the targeted site, and fitting the lumen extension of the prosthesis assembly to the trunk.
- further including the step of fastening the trunk of the prosthesis assembly to body tissue at the targeted site.